

RAW SEQUENCE LISTING

EFS

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Information Center (STIC) no errors detected.

Application Serial Number: 10/560,987A
Source: FWP
Date Processed by STIC: 4/11/07

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RAW SEQUENCE LISTING

DATE: 04/11/2007

PATENT APPLICATION: US/10/560,987A

TIME: 08:31:44

Input Set : N:\EFS\04_10_07\10560987A_efs\PRO011USCorrected_ST25.txt
 Output Set: N:\CRF4\04112007\J560987A.raw

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3 <110> APPLICANT: SIGMA-ALDRICH Co.
4      Arar, Khalil
6 <120> TITLE OF INVENTION: Fluorogenic Nucleic Acid Probes Including LNA For Methods To
7 Detect And/Or Quantify Nucleic Acid Analytes
9 <130> FILE REFERENCE: PRO011
11 <140> CURRENT APPLICATION NUMBER: US 10/560,987A
12 <141> CURRENT FILING DATE: 2005-12-14
14 <150> PRIOR APPLICATION NUMBER: US 60/482,684
15 <151> PRIOR FILING DATE: 2003-06-26
17 <150> PRIOR APPLICATION NUMBER: PCT/US04/19671
18 <151> PRIOR FILING DATE: 2004-06-18
20 <160> NUMBER OF SEQ ID NOS: 15
22 <170> SOFTWARE: PatentIn version 3.3
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 18
26 <212> TYPE: DNA
27 <213> ORGANISM: Artificial
29 <220> FEATURE:
30 <223> OTHER INFORMATION: Synthetic nucleic acid ligand
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33 aggaagatgt gcctttca                                18
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37 <211> LENGTH: 19
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39 <213> ORGANISM: Artificial
41 <220> FEATURE:
42 <223> OTHER INFORMATION: Synthetic Nucleic Acid Ligand
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48 <210> SEQ ID NO: 3
49 <211> LENGTH: 25
50 <212> TYPE: DNA
51 <213> ORGANISM: Artificial
53 <220> FEATURE:
54 <223> OTHER INFORMATION: Synthetic Nucleic Acid Ligand
57 <220> FEATURE:
58 <221> NAME/KEY: misc_feature
59 <222> LOCATION: (11)..(11)
60 <223> OTHER INFORMATION: C at position 11 is derivatized with dye LC Red 640
62 <400> SEQUENCE: 3
63 ccaccttctc caagaactat attgt                                25
66 <210> SEQ ID NO: 4
67 <211> LENGTH: 22

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Input Set : N:\EFS\04_10_07\10560987A_efs\PRO011USCorrected_ST25.txt
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68 <212> TYPE: DNA
69 <213> ORGANISM: Artificial
71 <220> FEATURE:
72 <223> OTHER INFORMATION: Synthetic Nucleic Acid Ligand
74 <400> SEQUENCE: 4
75 cgttgacctc cactcagtgt ga 22
78 <210> SEQ ID NO: 5
79 <211> LENGTH: 17
80 <212> TYPE: DNA
81 <213> ORGANISM: Artificial
83 <220> FEATURE:
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87 <220> FEATURE:
88 <221> NAME/KEY: misc_feature
89 <222> LOCATION: (5)..(5)
90 <223> OTHER INFORMATION: C at position 5 is a locked nucleic acid
92 <220> FEATURE:
93 <221> NAME/KEY: misc_feature
94 <222> LOCATION: (11)..(11)
95 <223> OTHER INFORMATION: C at position 11 is derivatized with dye LC Red 640
97 <220> FEATURE:
98 <221> NAME/KEY: misc_feature
99 <222> LOCATION: (11)..(11)
100 <223> OTHER INFORMATION: C at position 11 is a locked nucleic acid
102 <220> FEATURE:
103 <221> NAME/KEY: misc_feature
104 <222> LOCATION: (15)..(15)
105 <223> OTHER INFORMATION: A at position 15 is a locked nucleic acid
107 <400> SEQUENCE: 5 17
108 ccaccccttc caagaac
111 <210> SEQ ID NO: 6
112 <211> LENGTH: 17
113 <212> TYPE: DNA
114 <213> ORGANISM: Artificial
116 <220> FEATURE:
117 <223> OTHER INFORMATION: Synthetic Nucleic Acid Ligand
120 <220> FEATURE:
121 <221> NAME/KEY: misc_feature
122 <222> LOCATION: (4)..(4)
123 <223> OTHER INFORMATION: T at position 4 is a locked nucleic acid
125 <220> FEATURE:
126 <221> NAME/KEY: misc_feature
127 <222> LOCATION: (8)..(8)
128 <223> OTHER INFORMATION: C at position 8 is a locked nucleic acid
130 <220> FEATURE:
131 <221> NAME/KEY: misc_feature
132 <222> LOCATION: (13)..(13)
133 <223> OTHER INFORMATION: T at position 13 is a locked nucleic acid
135 <400> SEQUENCE: 6

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139 <210> SEQ ID NO: 7
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141 <212> TYPE: DNA
142 <213> ORGANISM: Artificial
144 <220> FEATURE:
145 <223> OTHER INFORMATION: Synthetic Nucleic Acid Ligand
148 <220> FEATURE:
149 <221> NAME/KEY: misc_feature
150 <222> LOCATION: (10)..(11)
151 <223> OTHER INFORMATION: C at position 10 and 11 is a locked nucleic acid
153 <220> FEATURE:
154 <221> NAME/KEY: misc_feature
155 <222> LOCATION: (11)..(11)
156 <223> OTHER INFORMATION: C at position 11 is derivatized with dye LC Red 640
158 <220> FEATURE:
159 <221> NAME/KEY: misc_feature
160 <222> LOCATION: (12)..(12)
161 <223> OTHER INFORMATION: A at position 12 is a locked nucleic acid
163 <400> SEQUENCE: 7 17
164 ccacccttctc caagaac
167 <210> SEQ ID NO: 8
168 <211> LENGTH: 16
169 <212> TYPE: DNA
170 <213> ORGANISM: Artificial
172 <220> FEATURE:
173 <223> OTHER INFORMATION: Synthetic Nucleic Acid Ligand
176 <220> FEATURE:
177 <221> NAME/KEY: misc_feature
178 <222> LOCATION: (7)..(9)
179 <223> OTHER INFORMATION: C at positions 7 and 9 is a locked nucleic acid
181 <220> FEATURE:
182 <221> NAME/KEY: misc_feature
183 <222> LOCATION: (8)..(8)
184 <223> OTHER INFORMATION: T at position 8 is a locked nucleic acid
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187 cctccactca gtgtga
190 <210> SEQ ID NO: 9
191 <211> LENGTH: 15
192 <212> TYPE: DNA
193 <213> ORGANISM: Artificial
195 <220> FEATURE:
196 <223> OTHER INFORMATION: Synthetic Nucleic Acid Ligand
199 <220> FEATURE:
200 <221> NAME/KEY: misc_feature
201 <222> LOCATION: (5)..(5)
202 <223> OTHER INFORMATION: T at position 5 is a locked nucleic acid
204 <220> FEATURE:
205 <221> NAME/KEY: misc_feature

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Input Set : N:\EFS\04_10_07\10560987A_efs\PRO011USCorrected_ST25.txt
Output Set: N:\CRF4\04112007\J560987A.raw

206 <222> LOCATION: (6)..(7)
207 <223> OTHER INFORMATION: C at positions 6 and 7 is a locked nucleic acid
209 <220> FEATURE:
210 <221> NAME/KEY: misc_feature
211 <222> LOCATION: (7)..(7)
212 <223> OTHER INFORMATION: C at position 7 is derivatized with dye LC Red 640
214 <220> FEATURE:
215 <221> NAME/KEY: misc_feature
216 <222> LOCATION: (11)..(11)
217 <223> OTHER INFORMATION: A at position 11 is a locked nucleic acid
219 <400> SEQUENCE: 9
220 cttctccaag aacta 15
223 <210> SEQ ID NO: 10
224 <211> LENGTH: 16
225 <212> TYPE: DNA
226 <213> ORGANISM: Artificial
228 <220> FEATURE:
229 <223> OTHER INFORMATION: Synthetic Nucleic Acid Ligand
232 <220> FEATURE:
233 <221> NAME/KEY: misc_feature
234 <222> LOCATION: (1)..(1)
235 <223> OTHER INFORMATION: C at position 1 is a locked nucleic acid
237 <220> FEATURE:
238 <221> NAME/KEY: misc_feature
239 <222> LOCATION: (4)..(4)
240 <223> OTHER INFORMATION: T at position 4 is a locked nucleic acid
242 <220> FEATURE:
243 <221> NAME/KEY: misc_feature
244 <222> LOCATION: (7)..(7)
245 <223> OTHER INFORMATION: G at position 7 is a locked nucleic acid
247 <220> FEATURE:
248 <221> NAME/KEY: misc_feature
249 <222> LOCATION: (11)..(11)
250 <223> OTHER INFORMATION: G at position 11 is a locked nucleic acid
252 <400> SEQUENCE: 10 16
253 cactcagtgt gattcc
256 <210> SEQ ID NO: 11
257 <211> LENGTH: 13
258 <212> TYPE: DNA
259 <213> ORGANISM: Artificial
261 <220> FEATURE:
262 <223> OTHER INFORMATION: Synthetic Nucleic Acid Ligand
265 <220> FEATURE:
266 <221> NAME/KEY: misc_feature
267 <222> LOCATION: (1)..(1)
268 <223> OTHER INFORMATION: C at position 1 is a locked nucleic acid
270 <220> FEATURE:
271 <221> NAME/KEY: misc_feature
272 <222> LOCATION: (2)..(2)

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273 <223> OTHER INFORMATION: T at position 2 is a locked nucleic acid
275 <220> FEATURE:
276 <221> NAME/KEY: misc_feature
277 <222> LOCATION: (6)..(7)
278 <223> OTHER INFORMATION: C at positions 6 and 7 is a locked nucleic acid
280 <220> FEATURE:
281 <221> NAME/KEY: misc_feature
282 <222> LOCATION: (7)..(7)
283 <223> OTHER INFORMATION: C at position 7 is derivatized with dye LC Red 640
285 <220> FEATURE:
286 <221> NAME/KEY: misc_feature
287 <222> LOCATION: (10)..(10)
288 <223> OTHER INFORMATION: G at position 10 is a locked nucleic acid
290 <400> SEQUENCE: 11
291 cttctccaag aac 13
294 <210> SEQ ID NO: 12
295 <211> LENGTH: 14
296 <212> TYPE: DNA
297 <213> ORGANISM: Artificial
299 <220> FEATURE:
300 <223> OTHER INFORMATION: Synthetic Nucleic Acid Ligand
303 <220> FEATURE:
304 <221> NAME/KEY: misc_feature
305 <222> LOCATION: (1)..(1)
306 <223> OTHER INFORMATION: C at position 1 is a locked nucleic acid
308 <220> FEATURE:
309 <221> NAME/KEY: misc_feature
310 <222> LOCATION: (6)..(6)
311 <223> OTHER INFORMATION: T at position 6 is a locked nucleic acid
313 <220> FEATURE:
314 <221> NAME/KEY: misc_feature
315 <222> LOCATION: (7)..(7)
316 <223> OTHER INFORMATION: G at position 7 is a locked nucleic acid
318 <220> FEATURE:
319 <221> NAME/KEY: misc_feature
320 <222> LOCATION: (10)..(10)
321 <223> OTHER INFORMATION: A at position 10 is a locked nucleic acid
323 <220> FEATURE:
324 <221> NAME/KEY: misc_feature
325 <222> LOCATION: (13)..(13)
326 <223> OTHER INFORMATION: C at position 13 is a locked nucleic acid
328 <400> SEQUENCE: 12
329 ctcagtgtga ttcc 14
332 <210> SEQ ID NO: 13
333 <211> LENGTH: 13
334 <212> TYPE: DNA
335 <213> ORGANISM: Artificial
337 <220> FEATURE:
338 <223> OTHER INFORMATION: Synthetic Nucleic Acid Ligand

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 04/11/2007
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Input Set : N:\EFS\04_10_07\10560987A_efs\PRO011USCorrected_ST25.txt
Output Set: N:\CRF4\04112007\J560987A.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15

VERIFICATION SUMMARY

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Output Set: N:\CRF4\04112007\J560987A.raw